

L Number	Hits	Search Text	DB	Time stamp
1	14	(hydrocarbon with gasoline with diesel with methanol) with (reformer reforming reformation reformed)	USPAT	2003/12/02 12:41
2	23	(hydrocarbon with gasoline with diesel with methanol) same (reformer reforming reformation reformed)	USPAT	2003/12/02 12:43
3	9	((hydrocarbon with gasoline with diesel with methanol) same (reformer reforming reformation reformed) ) not ((hydrocarbon with gasoline with diesel with methanol) with (reformer reforming reformation reformed) )	USPAT	2003/12/02 12:42
4	45	(gasoline with diesel with methanol) same (reformer reforming reformation reformed)	USPAT	2003/12/02 12:43
5	31	((gasoline with diesel with methanol) same (reformer reforming reformation reformed) ) not ((hydrocarbon with gasoline with diesel with methanol) with (reformer reforming reformation reformed) )	USPAT	2003/12/02 12:43
6	22	((gasoline with diesel with methanol) same (reformer reforming reformation reformed) ) not ((hydrocarbon with gasoline with diesel with methanol) with (reformer reforming reformation reformed) )) not ((hydrocarbon with gasoline with diesel with methanol) same (reformer reforming reformation reformed) )	USPAT	2003/12/02 12:47
7	2009113	"0" "537" "968"	EPO	2003/12/02 12:47
8	0	"0537968"	EPO	2003/12/02 12:47
9	1	"537968"	EPO	2003/12/02 12:48
10	1	("4865820").PN.	USPAT	2003/12/02 12:48
-	402941	mixing mixer	USPAT	2003/06/12 15:59
-	543183	tube	USPAT	2002/07/10 13:30
-	1961	((mixing mixer ) near tube	USPAT	2002/07/10 13:30
-	217245	catalyst	USPAT	2002/07/10 13:30
-	277	((mixing mixer ) near tube) and catalyst	USPAT	2002/07/10 13:30
-	80029	manifold	USPAT	2002/07/10 13:30
-	43	((mixing mixer ) near tube) and catalyst) and manifold	USPAT	2002/07/10 13:34
-	234	((mixing mixer ) near tube) and catalyst) not (((mixing mixer ) near tube) and catalyst) and manifold)	USPAT	2002/07/10 14:31
-	85651	tangent tangential	USPAT	2003/03/07 14:19
-	18	((mixing mixer ) near tube) with (tangent tangential)	USPAT	2002/07/10 14:33
-	1	("4451578").PN.	USPAT	2002/07/10 14:34
-	7	4451578.URPN.	USPAT	2002/07/10 14:33
-	687	(422/224).CCLS.	USPAT	2002/07/10 14:34
-	50	(tangent tangential) and ((422/224).CCLS.)	USPAT	2002/07/10 14:35

-	49	("2632692"   "2710177"   "2778621"   "2898292"   "3112256"   "3143581"   "3146189"   "3218249"   "3235344"   "3244286"   "3353924"   "3378349"   "3446489"   "3480407"   "3502445"   "3524731"   "3541000"   "3652450"   "3685971"   "3705016"   "3723072"   "3824080"   "3880961"   "3895919"   "3915847"   "3946104"   "4087252"   "4126539"   "4126540"   "4133645"   "4140625"   "4233269"   "4235847"   "4313908"   "4550000"   "4579647"   "4669890"   "4808350"   "4836989"   "4839108"   "4960571"   "5045247"   "5103864"   "5152967"   "5158713"   "5158714"   "5192465"   "5269465"   "5462719").PN.	USPAT	2002/07/10 14:36
-	1	5989502.URPN.	USPAT	2002/07/10 14:36
-	16	("3480407"   "3524731"   "3556736"   "3592612"   "3598541"   "3787189"   "4138327"   "4275021"   "4295936"   "4601788"   "4629534"   "4714542"   "5091119"   "5152967"   "5230839"   "5232283").PN.	USPAT	2002/07/10 14:50
-	8	5462719.URPN.	USPAT	2002/07/10 14:52
-	173653	clockwise	USPAT	2002/07/10 15:09
-	114107	counterclockwise	USPAT	2002/07/10 15:09
-	1813	clock-wise	USPAT	2002/07/10 15:09
-	32476	counter-clockwise	USPAT	2002/07/10 15:09
-	174396	clockwise clock-wise	USPAT	2002/07/10 15:09
-	138848	counterclockwise counter-clockwise	USPAT	2002/07/10 15:09
-	74499	(clockwise clock-wise) with (counterclockwise counter-clockwise)	USPAT	2002/07/10 15:09
-	2	((422/224).CCLS.) and ((clockwise clock-wise) with (counterclockwise counter-clockwise))	USPAT	2002/07/10 15:10
-	56074	422/\$.ccls.	USPAT	2002/07/10 15:10
-	428	((clockwise clock-wise) with (counterclockwise counter-clockwise)) and 422/\$.ccls.	USPAT	2002/07/10 15:10
-	41	catalyst and (((clockwise clock-wise) with (counterclockwise counter-clockwise)) and 422/\$.ccls.)	USPAT	2002/07/10 15:12
-	933084	holes openings passages slots slits	USPAT	2002/07/10 15:13
-	1640	((clockwise clock-wise) with (counterclockwise counter-clockwise)) with (holes openings passages slots slits)	USPAT	2002/07/10 15:13
-	11	catalyst and (((clockwise clock-wise) with (counterclockwise counter-clockwise)) with (holes openings passages slots slits))	USPAT	2002/07/10 15:13
-	88775	tangent tangential	USPAT	2003/03/07 14:19
-	415843	openings	USPAT	2003/03/07 14:20
-	1455	(tangent tangential ) with openings	USPAT	2003/03/07 14:20
-	419851	mixing mixer	USPAT	2003/03/07 14:20

-	33	((tangent tangential ) with openings)	USPAT	2003/03/07
-	225286	with (mixing mixer ) catalyst	USPAT	14:20
-	2	((tangent tangential ) with openings)	USPAT	2003/03/07
-	724045	with (mixing mixer ) and catalyst angle	USPAT	14:20
-	10090	openings with angle	USPAT	14:24
-	225	((tangent tangential ) with openings) and (openings with angle)	USPAT	2003/03/07
-	7	catalyst and ((tangent tangential ) with openings) and (openings with angle))	USPAT	14:25
-	1	("3598541").PN.	USPAT	2003/03/07
-	1	("3598541").PN.	USOCR	15:03
-	6438	hydrocracking	USPAT	2003/03/07
-	880191	air	USPAT	15:08
-	136344	steam	USPAT	2003/03/07
-	880191	air	USPAT	15:08
-	40062	vaporized	USPAT	15:09
-	745	steam same air same vaporized	USPAT	2003/03/07
-	1	hydrocracking same (steam same air same vaporized)	USPAT	15:09
-	29	hydrocracking and (steam same air same vaporized)	USPAT	2003/03/07
-	84662	manifold	USPAT	15:10
-	549409	axial axially	USPAT	2003/06/10
-	394228	mixing	USPAT	16:49
-	256	manifold same (axial axially) same mixing	USPAT	2003/06/10
-	197669	hydrocarbon	USPAT	16:43
-	39	(manifold same (axial axially) same mixing) and hydrocarbon	USPAT	16:49
-	99	doroshenk	USPAT	2003/06/10
-	17	manifold and doroshenk	USPAT	16:44
-	0	6296814.URPN.	USPAT	2003/06/10
-	7	("3775064"   "4083695"   "4098589"   "4169879"   "5565009"   "5567398"   "5997596").PN.	USPAT	16:45
-	53879	manifold	USOCR	2003/06/10
-	439856	axial axially	USOCR	16:51
-	159356	mixing	USOCR	2003/06/10
-	116597	hydrocarbon	USOCR	16:51
-	937	manifold same (axial axially) same mixing	USOCR	2003/06/10
-	86	hydrocarbon and (manifold same (axial axially) same mixing)	USOCR	16:49
-	14074	manifold	EPO; JPO	2003/06/10
-	202826	axial axially	EPO; JPO	16:50
				16:51
				2003/06/10
				16:52

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-	157570	mixing	EPO; JPO	2003/06/10 16:52
-	63975	hydrocarbon	EPO; JPO	2003/06/10 16:52
-	0	(manifold same (axial axially) same mixing) and (manifold adn doroshenk)	EPO; JPO	2003/06/10 16:52
-	8	manifold same (axial axially) same mixing	EPO; JPO	2003/06/10 16:52
-	3592	((422/189) or (422/190) or (422/191) or (422/192) or (422/193) or (422/194) or (422/195) or (422/196) or (422/197) or (566/165.1) or (566/165.2) or (566/340)).CCLS.	USPAT	2003/06/10 16:53
-	193	manifold and (((422/189) or (422/190) or (422/191) or (422/192) or (422/193) or (422/194) or (422/195) or (422/196) or (422/197) or (566/165.1) or (566/165.2) or (566/340)).CCLS.)	USPAT	2003/06/10 16:53
-	63	(axial axially) and (manifold and (((422/189) or (422/190) or (422/191) or (422/192) or (422/193) or (422/194) or (422/195) or (422/196) or (422/197) or (566/165.1) or (566/165.2) or (566/340)).CCLS.))	USPAT	2003/06/10 16:53
-	42	mixing and ((axial axially) and (manifold and (((422/189) or (422/190) or (422/191) or (422/192) or (422/193) or (422/194) or (422/195) or (422/196) or (422/197) or (566/165.1) or (566/165.2) or (566/340)).CCLS.)))	USPAT	2003/06/10 16:53
-	19	(mixing and ((axial axially) and (manifold and (((422/189) or (422/190) or (422/191) or (422/192) or (422/193) or (422/194) or (422/195) or (422/196) or (422/197) or (566/165.1) or (566/165.2) or (566/340)).CCLS.)))) and hydrocarbon	USPAT	2003/06/10 16:54
-	228699	catalyst	USPAT	2003/06/11 14:12
-	152684	bed	USPAT	2003/06/11 14:11
-	12284	catalyst adj bed	USPAT	2003/06/11 14:07
-	174309	fuel	USPAT	2003/06/11 14:11
-	21498	oxidant	USPAT	2003/06/11 14:11
-	635344	tube tubes	USPAT	2003/06/11 14:11
-	1	(catalyst adj bed) same fuel same oxidant same (tube tubes)	USPAT	2003/06/11 14:08
-	1121	(catalyst adj bed) with (tube tubes)	USPAT	2003/06/11 14:08
-	37	fuel and oxidant and ((catalyst adj bed) with (tube tubes))	USPAT	2003/06/11 14:08
-	109695	catalyst	USOCR	2003/06/11 14:17
-	182872	bed	USOCR	2003/06/11 14:17
-	129757	fuel	USOCR	2003/06/11 14:11
-	7194	oxidant	USOCR	2003/06/11 14:11
-	505063	tube tubes	USOCR	2003/06/11 14:11
-	6525	catalyst adj bed	USOCR	2003/06/11 14:11
-	679	(tube tubes) with (catalyst adj bed)	USOCR	2003/06/11 14:12
-	10	fuel and oxidant and ((tube tubes) with (catalyst adj bed))	USOCR	2003/06/11 14:12

-	366581	inlet	USPAT	2003/06/11 14:15
-	522342	chamber manifold	USPAT	2003/06/11 14:15
-	14825	inlet adj (chamber manifold)	USPAT	2003/06/11 14:13
-	62	((catalyst adj bed) same (inlet adj (chamber manifold)))	USPAT	2003/06/11 14:13
-	280221	inlet	USOCR	2003/06/11 14:17
-	417522	chamber manifold	USOCR	2003/06/11 14:17
-	13858	inlet adj (chamber manifold)	USOCR	2003/06/11 14:15
-	76	((inlet adj (chamber manifold)) same (catalyst adj bed))	USOCR	2003/06/11 14:16
-	125281	catalyst	EPO; JPO	2003/06/11 14:17
-	52343	bed	EPO; JPO	2003/06/11 14:17
-	127429	inlet	EPO; JPO	2003/06/11 14:17
-	301587	chamber manifold	EPO; JPO	2003/06/11 14:17
-	1073	catalyst adj bed	EPO; JPO	2003/06/11 14:18
-	1964	inlet adj (chamber manifold)	EPO; JPO	2003/06/11 14:18
-	1	((catalyst adj bed) with (inlet adj (chamber manifold)))	EPO; JPO	2003/06/11 14:18
-	1	("5106590").PN.	USPAT	2003/06/11 14:39
-	427641	mixing mixer	USPAT	2003/06/12 15:59
-	783556	tangential tangentially tangent angle	USPAT	2003/06/12 16:07
-	1139611	opening opening inlet inlets	USPAT	2003/06/12 16:01
-	63868	((tangential tangentially tangent angle) with (opening opening inlet inlets))	USPAT	2003/06/12 16:01
-	1109	((mixing mixer ) with ((tangential tangentially tangent angle) with (opening opening inlet inlets)))	USPAT	2003/06/12 16:01
-	1699750	advantage advantages	USPAT	2003/06/12 16:01
-	4	((mixing mixer ) with ((tangential tangentially tangent angle) with (opening opening inlet inlets))) with (advantage advantages)	USPAT	2003/06/12 16:02
-	20	((mixing mixer ) with ((tangential tangentially tangent angle) with (opening opening inlet inlets))) same (advantage advantages)	USPAT	2003/06/12 16:02
-	16	((mixing mixer ) with ((tangential tangentially tangent angle) with (opening opening inlet inlets))) same (advantage advantages) not ((mixing mixer ) with ((tangential tangentially tangent angle) with (opening opening inlet inlets))) with (advantage advantages))	USPAT	2003/06/12 16:06
-	35995	null	USPAT	2003/06/12 16:06
-	1177	((tangential tangentially tangent angle) with null	USPAT	2003/06/12 16:06
-	228699	catalyst	USPAT	2003/06/12 16:06
-	7	((tangential tangentially tangent angle) with null) and catalyst	USPAT	2003/06/12 16:07
-	108132	tangential tangentially tangent	USPAT	2003/06/12 16:07

-	91	null with (tangential tangentially tangent )	USPAT	2003/06/12 16:08
-	0	(null with (tangential tangentially tangent )) and catalyst	USPAT	2003/06/12 16:08
-	530	(tangential tangentially tangent ) with (opening opening inlet inlets) with (mixing mixer )	USPAT	2003/06/12 16:08
-	7290	(opening opening inlet inlets) near4 (tangential tangentially tangent )	USPAT	2003/06/12 16:09
-	312	(mixing mixer ) with ((opening opening inlet inlets) near4 (tangential tangentially tangent ))	USPAT	2003/06/12 16:09
-	30	catalyst and ((mixing mixer ) with ((opening opening inlet inlets) near4 (tangential tangentially tangent )))	USPAT	2003/06/12 16:15
-	1	("4865820").PN.	USPAT	2003/06/12 16:56
-	197669	hydrocarbon	USPAT	2003/06/12 16:57
-	45237	gasoline	USPAT	2003/06/12 16:57
-	36920	diesel	USPAT	2003/06/12 16:57
-	207912	methanol	USPAT	2003/06/12 16:57
-	80	hydrocarbon with gasoline with diesel with methanol	USPAT	2003/06/12 16:57
-	13968	reformer reforming	USPAT	2003/06/12 16:57
-	11	(hydrocarbon with gasoline with diesel with methanol) with (reformer reforming)	USPAT	2003/12/02 12:38